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RADIATION AND MELT TREATED ULTRA
HIGH MOLECULAR WEIGHT
POLYETHYLENE PROSTHETIC DEVICES
37697-0035

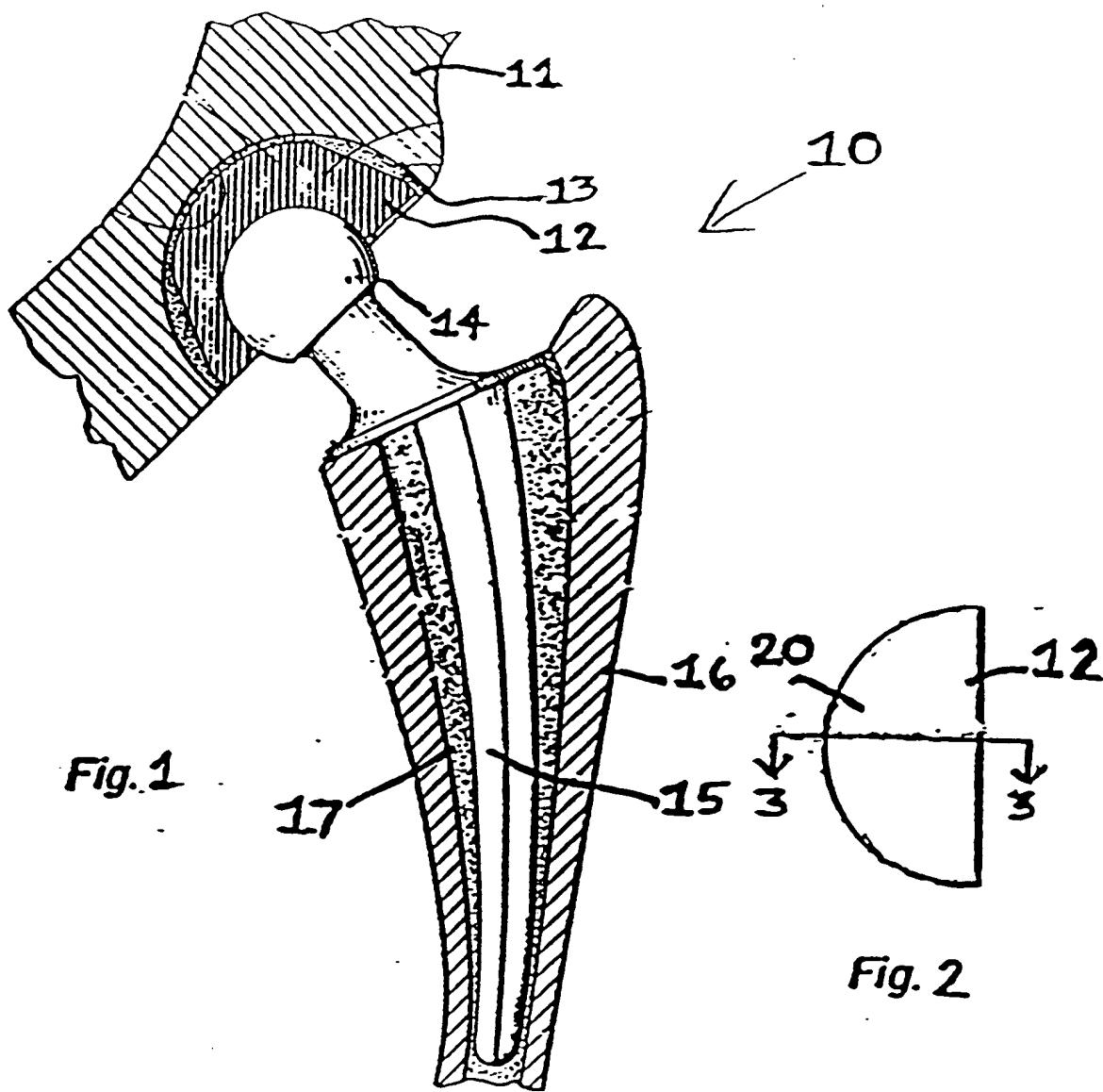


Fig. 2

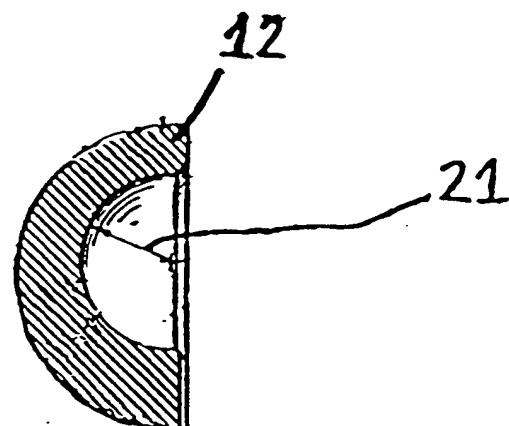
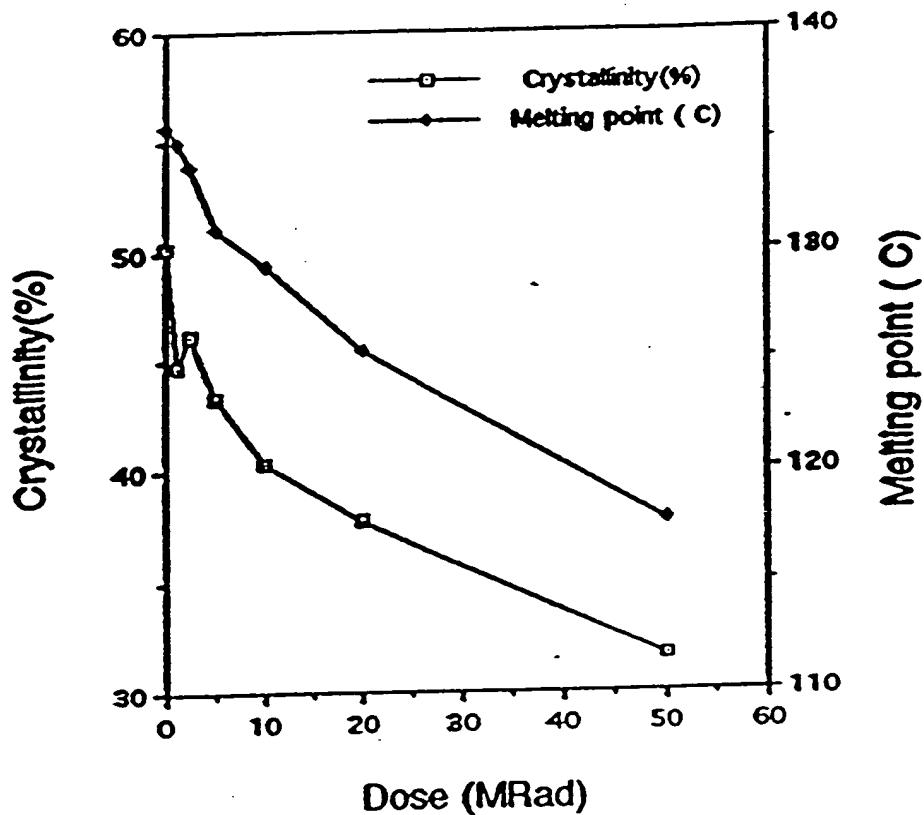


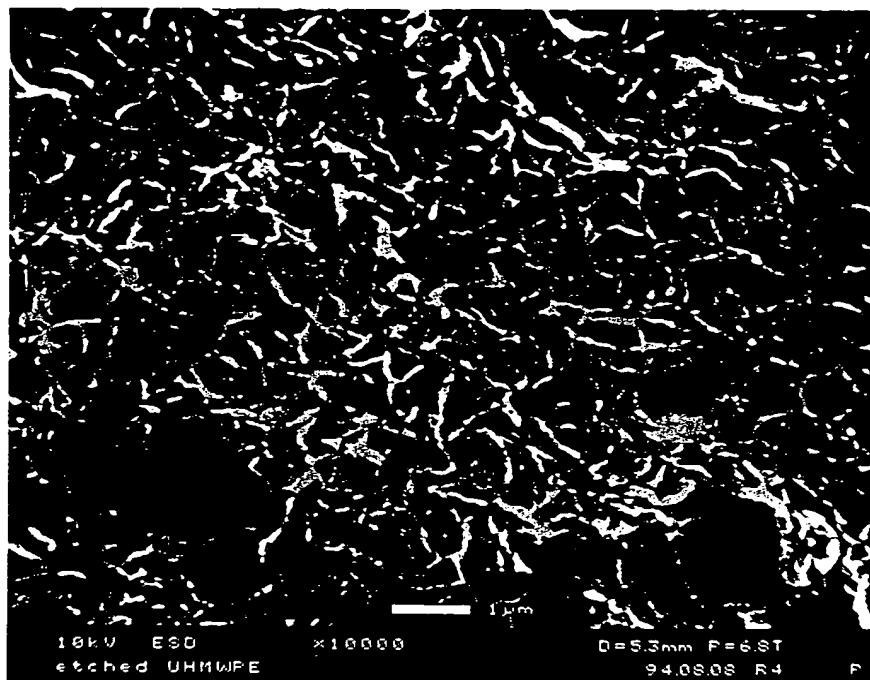
Fig. 3

FIG. 4



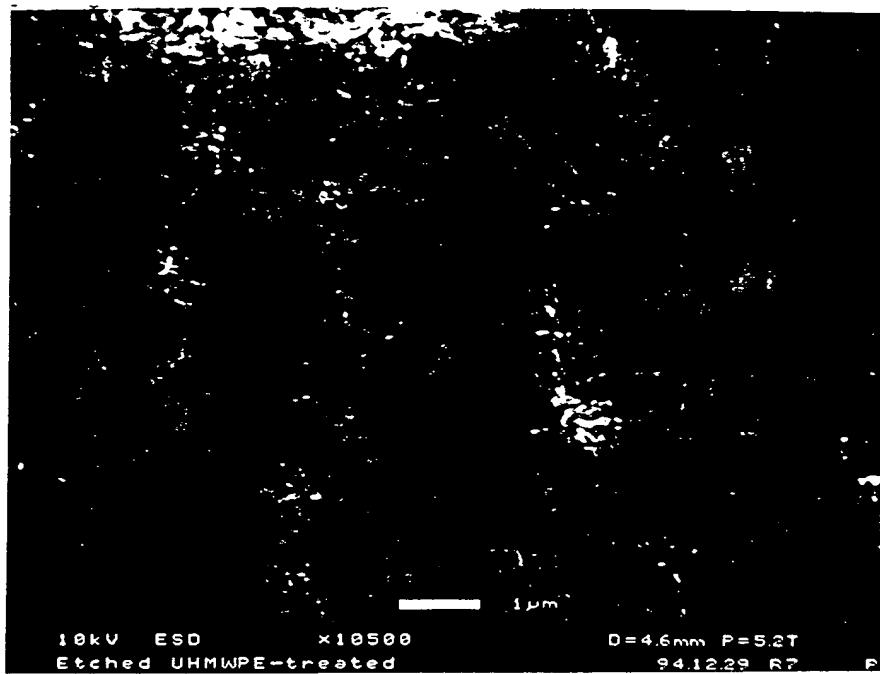
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FIG. 5



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FIG. 6



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FIG. 7

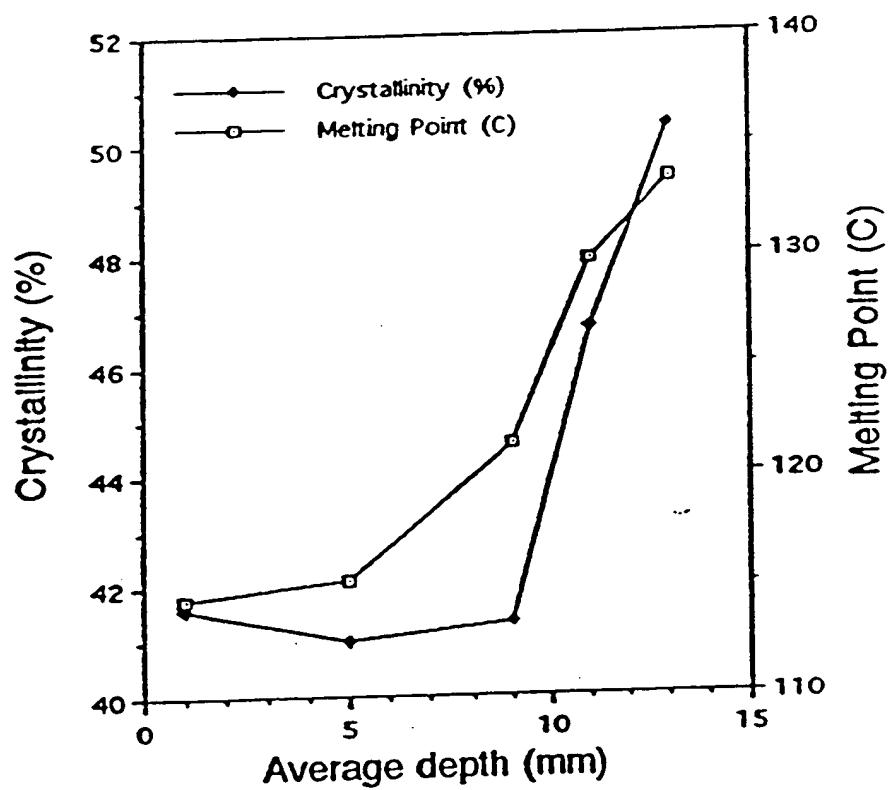


FIG. 8 4050 PreHeat=125°C 140kGy 70kGy/pass at 2cm below the e-beam incidence surface

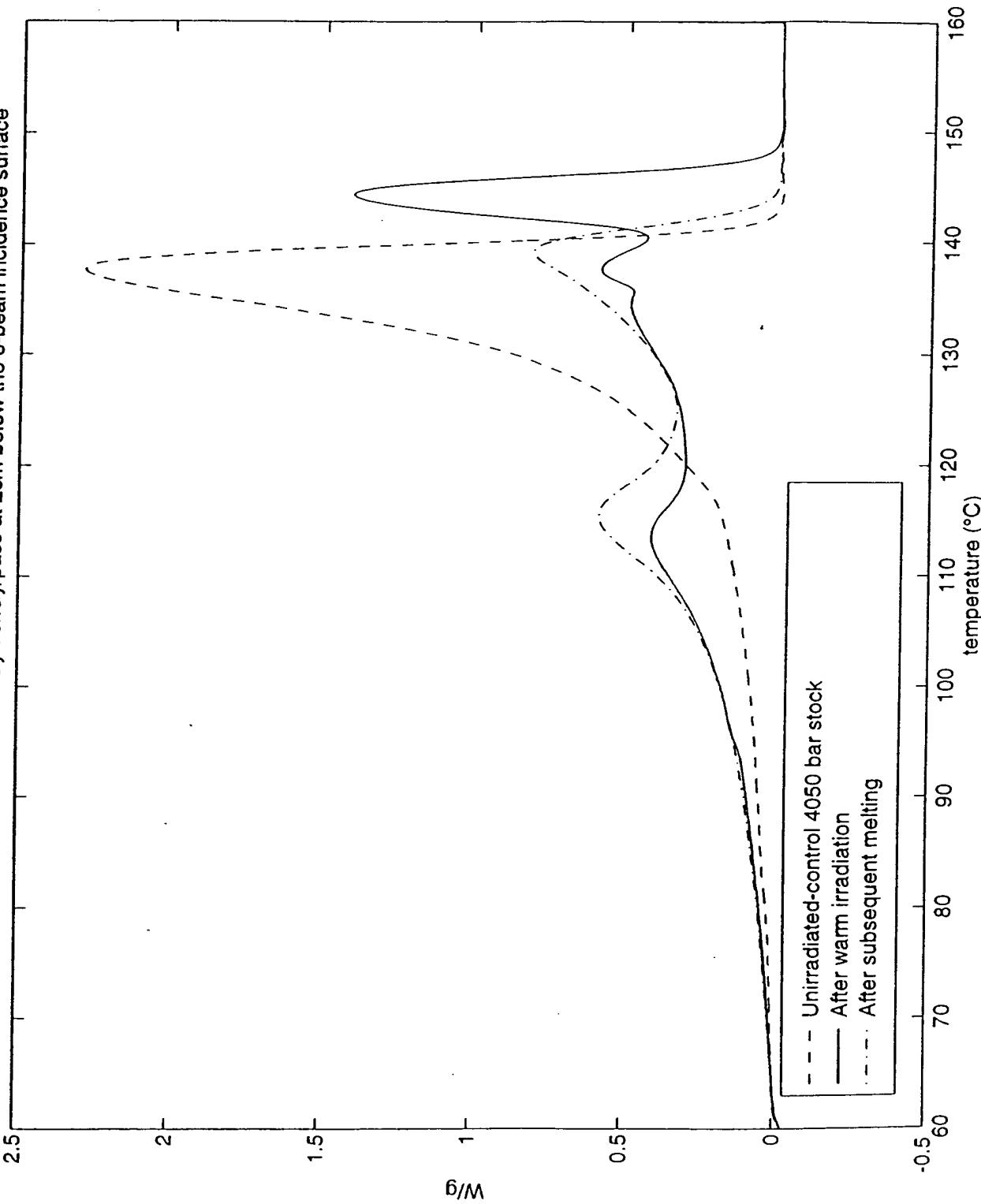


FIG. 9 1050 PreHeat=125°C 150kGy 75kGy/pass at 2cm below the e-beam incidence surface

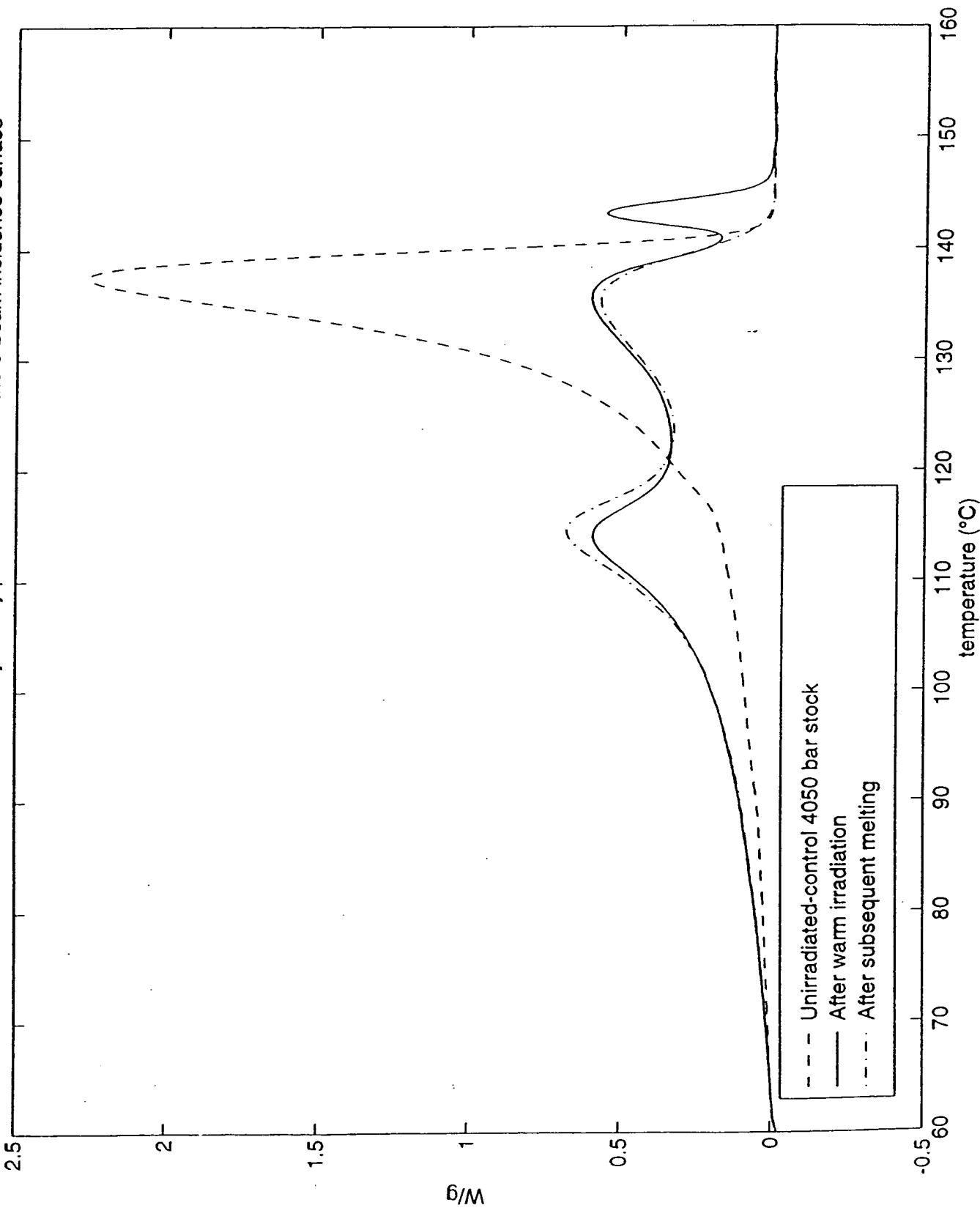


Figure 10: Adiabatic heating of UHMWPE treated by WIR-AM with a pre-heat temperature of 130°C

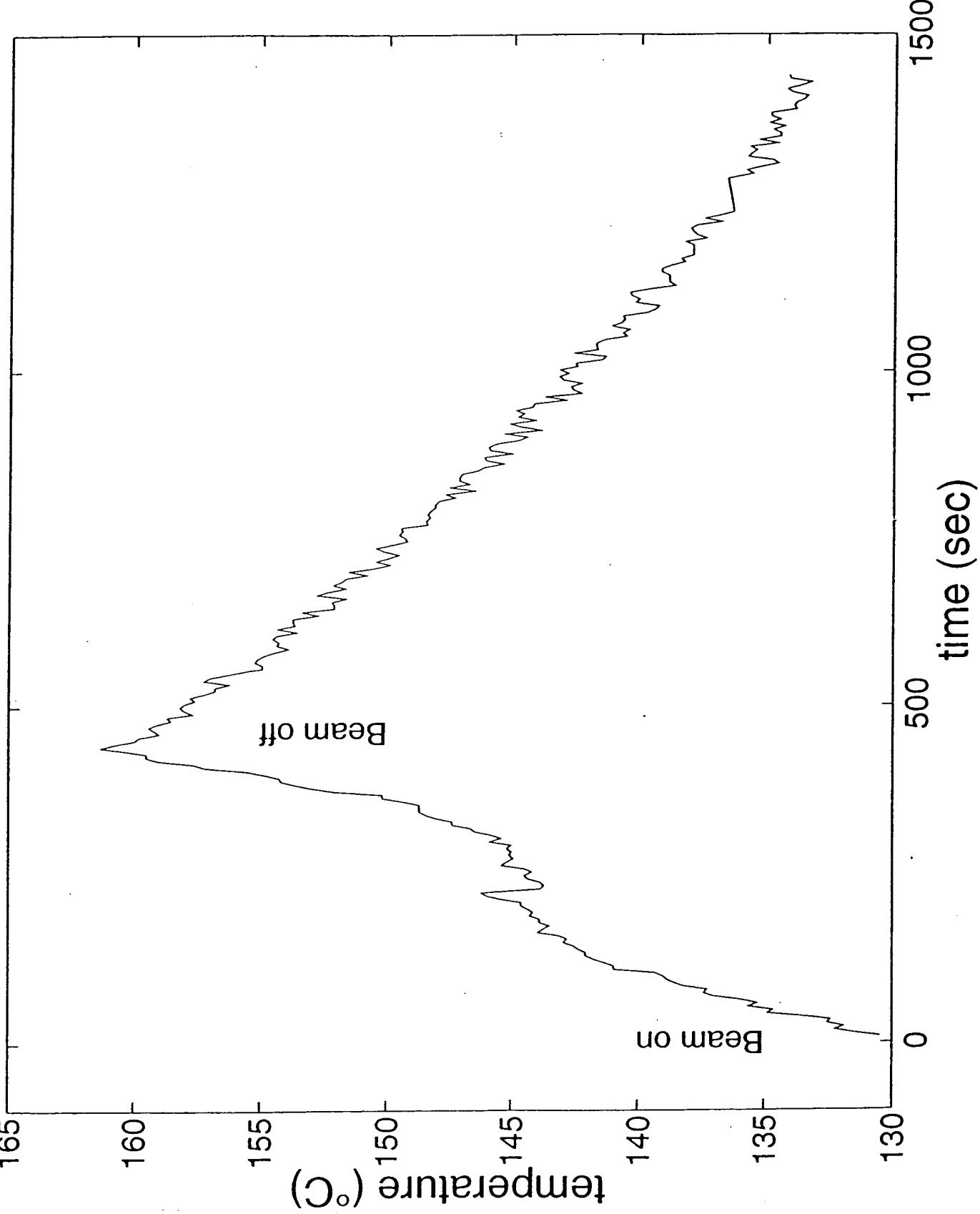


Figure 11. Tensile deformation behavior of unirradiated, CIR-SM treated and WIR-AM treated UHMWPE.

